SONY VAIO

VGN-BX645P

VAIO® BX Series Notebook PC

The New Way of Business™

FLEXIBILITY

The VAIO® BX Series Notebook comes with a wide choice of mobility options. Integrated swappable Multi-Function Bay slot accommodates optional interchangeable devices that further customize your system to your unique needs, including the DVD+R Double Layer/DVD±RW[4] Drive Bay Unit, the CD-RW/DVD-ROM Drive Bay Unit, the 80GB[2] HDD Bay Unit and the Hard Disk Drive Adapter Bay Unit. The VAIO® BX-Series optional Docking Station offers an optional built-in Multi-Function Bay, an AC adapter that fits all models, and an extended battery charger.

MOBILITY

VAIO® BX Series Notebooks feature Intel® Centrino™ Duo Mobile Technology with the Intel® Core™ 2 Duo processor, part of the next-generation, energy-efficient family of performance mobile processors. Integrated 802.11a/b/g wireless LAN[3] and efficient power and application management for extended battery life[7] on the go. A compact 14" display[12] makes the VAIO® BX Series Notebook as mobile as you want it to be.

SECURITY

Security is a top priority with the VAIO® BX Series Notebook. All VAIO® BX Series Notebooks feature an integrated Biometric Fingerprint Sensor, delivering personal security and the IT cost-savings and convenience of not having to remember your passwords. The Trusted Platform Module (TPM) TCG Ver.1.2 compliant chip enables companies to set the level of security on a specific client/user basis.

COMMUNICATION

VAIO® BX Notebook offers communication technology to keep you wirelessly connected, networked and conferenced in. With lightning-fast Gigabit Ethernet, integrated 802.11a/b/g wireless LAN[3], and built-in camera and an optional Bluetooth®[5] headset for real-time video conferencing[13], you can communicate at whatever speed and in whatever style makes you the most productive.

Flexibility, mobility, security, superior communications functionality, and VAIO® Care full-service support ? the VAIO® BX Notebook makes productivity truly scalable, enabling you to empower your business with Sony technology. With a 14.1" display[12] featuring XBRITE-ECO™ LCD Technology, swappable optional peripherals, leading-edge security components, and powerful communications options, the BX Notebook enables businesses to better manage resources, equip employees, and maximize value.

intel Centrino Duo Core 2 Duo inside

Designed for Windows® XP
Windows Vista™ Capable

Windows Vista™ Premium Ready

Bluetooth

XBRITE-ECO™

like.no.other™

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VAIO® BX Series Notebook PC

Specifications

General

Computer Type: Notebook

Type of Use: Portable

Action Buttons: S1, S2 (programmable), Mute, Wireless LAN/Bluetooth® On/Off and Camera Off

Keyboard: QWERTY (85 keys with 2.5mm stroke and 19.05mm pitch)

Pointing Device: Electro-Static touch pad and Pointing Stick

Security: Trusted Platform Module (TPM), TCG Ver 1.2 compliant Biometric Fingerprint Sensor

Hardware

Cisco™ V3 Compatibility: The Sony VAIO BX Series Notebook has been tested in accordance with test criteria set by Cisco and is compatible with Cisco's Aironet 1200AG Series Access Point platform and Cisco's Access Control Server v3.3[11]

Camera: Built-in Camera
1/5" VGA CMOS Sensor

Processor

Type: Intel® Core™ 2 Duo Processor T5500

Speed: 1.66GHz[1]

Front Side Bus Speed: 667MHz

L2 Cache: 2MB

Technology: Intel® Centrino® Duo Mobile Technology

Memory

Type: DDR2

Installed: 1GB (512MBx2) PC2-4200

Maximum: 2GB

Speed: 533MHz

Hard Drive

Capacity: 80GB[2]

Speed: 5400rpm

Interface: Serial ATA

Optical Drive #1

DVD+R DL Write: 4x max.

DVD+R Write: 8x max.

DVD+RW Write: 8x max.

DVD-R Write: 8x max.

DVD-RW Write: 6x max.

CD-R Write: 24x max.

CD-RW Write: 24x max.

DVD±RW: Yes[4]

CD Read: 24x max.

DVD Read: 8x max.

DVD-R DL Write: 4x max.

DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Supports optional Memory Stick®, Memory Stick Duo™ media[7] and Secure Digital (SD) media PCMCIA (Type II/Type I card slot with CardBus support)

Audio

Sound System: Windows® sound system compatible
Built-in stereo speakers

Interface: Monaural mini microphone jack
Headphone jack

Display

Screen or Display Technology: WXGA LCD

Screen Size: 14.1"[12]

Resolution: 1024x768

XBRITE-ECO™ Technology: Yes

Graphics

Processor: Intel® Graphics Media Accelerator 950

Video RAM: 128MB (dynamically allocated shared RAM/Video memory)

Chipset: Intel® 945GM

Interface: VGA out w/ Smart Display Sensor

Inputs and Outputs

Ethernet Port: 1

Headphone Jack: 1

i.LINK® Interface: 1 (4-pin) interface[6] IEEE 1394

Memory Stick® Media Slot: 1

Modem Jack: 2

Secure Digital Slot: 1

Microphone Input: 1

Port Replicator Connector(s): 1 (Bottom)

USB Port(s): 3 (2.0 compliant)

VGA Output(s): 1

DC-In: 1

Networking/Modem

Ethernet Protocol: Fast Gigabit Ethernet (RJ-45)

Ethernet Speed: 10Base-T/100Base-TX/1000Base-T

Modem Type: Integrated V.90/V.92 Modem (RJ-11)

Wireless LAN: Intel® PRO/Wireless 3945ABG Network Connection (802.11a/b/g)[3]

Bluetooth® Technology: Integrated Bluetooth® Technology[5]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS4A)

Estimated Battery Life: 2.5-3.5 hours[7] (Standard Battery)
5.5-6.5 hours[7] (Large Capacity Battery)

Power Requirements: 105W+10%

Software

Operating System: Microsoft® Windows® XP Professional with Service Pack 2

Supplied Software: Microsoft® Works 8.5
60-Day Trial Version of Microsoft® Office 2003[10]

Sony® Original Software: Click to DVD® - DVD Creation

* Please use VAIO Support Central for a complete listing of software applications and trials.

Security and Anti-Virus Software: Norton® Internet Security™ 60-Day Trial
TrendMicro™ Anti-Spyware 30-Day Trial

Service and Warranty Information

Telephone Support: 1 year (toll-free technical telephone assistance, available 24/7)[9]

Limited Warranty and Onsite Service: 1 Year Limited Warranty [8] with Onsite Service

Online and Email Support: Support available from http://www.esupport.sony.com

Dimensions

Weight: 5.7 lbs. with standard battery (weight is approximate and may vary)

Measurements: 12.48"(W) x 1.33"-1.38"(H) x 10.38"(D)

Supplied Accessories

Standard Capacity Lithium-ion battery (VGP-BPS4A)

AC adapter (VGP-AC19V10)

Power Cord

Optional Accessories

Multi-Function Docking Station with battery charger (VGP-PRBX1)
AC Adapter included (VGP-AC19V9)
Docking Station I/O:
Multi-Function Bay
Battery Charger
Serial Port
Hi Speed USB (USB 2.0) Ports x 4
Security Lock and Lock/Unlock Switch
Printer Port
Monitor (VGA) Port
Monitor (DVI-D) Port (DVI-D port not functional for Intel® Graphics Media Accelerator 950)
Fast Ethernet 10BASE-T/100BASE-TX/1000BASE-T

Additional Standard Capacity Battery (VGP-BPS4A)

Large Capacity Battery (VGP-BPL4A)

AC Adapter (VGP-AC19V10)

1GB Memory Expansion Module (VGP-MM1GA)

512MB Memory Expansion Module (VGP-MM512M)

Bluetooth® Headset (HBH-608)

Neoprene Notebook & AC Adapter (VGP-AMC5)

DVD R Double Layer/DVD± RW[4] Multi-Bay unit (VGP-DRWBX1)

CD-RW/DVD-ROM Multi-Bay unit (VGP-CRWBX1)

HDD Adapter Multi-Bay unit (VGP-HDABX1)
Compatible with PATA 2.5" 9.5mm Height

80GB[2] SATA 5400RPM 9.5mm Height HDD Multi-Bay unit (VGP-HDBX08)

Memory Card Adapter[14] (VGP-MCA10)

Color: Silver Casing (Magnesium Casing)

UPC Code: 027242700260

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires compatible wireless LAN access point, sold separately. Internet connection may require fees.
4. DVD Media/Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
8. When available, Sony will provide Onsite Service in fulfi llment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite Service may not be available in all locations.
9. For certain third party software applications, Sony provides first level Phone Support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
10. The Microsoft Office 2003 60-Day Trial software is intended for evaluation purposes only. This trial software is installed on your system and you must activate the software before you can use it. Product activation procedures will be detailed during initial launch of the software; activation requires Internet access. This software has an expiration date of 60 days from date of first use, at which time the software will operate under reduced-functionality mode, limiting end-use options and operations.
11. Sony VAIO® Professional BX Series has tested compatible with the Cisco Aironet Access Point 1200 Series and the Cisco Access Control Server v3.3. Cisco Compatible signifi es that Sony's product has undergone interoperability testing by Sony, together with Cisco and a third-party test house, based on testing criteria set by Cisco. Sony is solely responsible for the support and warranty of its product. Cisco makes no warranties, express or implied, with respect to Sony's product or its interoperation with the listed Cisco product and disclaims any implied warranties of merchantability or fi tness for a particular use, or against infringement.
12. Viewable area measured diagonally.
13. Broadband Internet service required along with third-party services which may require a subscription fee or other service fee.
14. Does not support Memory Stick media and Memory Stick PRO™ media using the MagicGate® function or high-speed data transfer. Supports memory cards with capacitities up to 1GB. Does not support 5.0V SmartMedia media or the ID function of SmartMedia media with IDs. Does not support the SD Memory Card media copyright protection function. This adapter has been tested with only Sony® branded Memory Stick PRO™ media. Sony® branded Memory Stick PRO™ media is recommended for use with this adapter.
15. Measured at its narrowest point.

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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